

Figure 1
(Prior ART)

| PIXEL 0 | PIXEL 1 | PIXEL 2 | PIXEL 3 | PIXEL 4 | PIXEL 5 |
|------------|------------|------------|------------|------------|------------|
| Y7-0 | Y7-1 | Y7-2 | Y7-3 | Y7-4 | Y7-5 |
| Y6-0 | Y6-1 | Y6-2 | Y6-3 | Y6-4 | Y6-5 |
| Y5-0 | Y5-1 | Y5-2 | Y5-3 | Y5-4 | Y5-5 |
| Y4-0 | Y4-1 | Y4-2 | Y4-3 | Y4-4 | Y4-5 |
| Y3-0 | Y3-1 | Y3-2 | Y3-3 | Y3-4 | Y3-5 |
| Y2-0 | Y2-1 | Y2-2 | Y2-3 | Y2-4 | Y2-5 |
| Y1-0 | Y1-1 | Y1-2 | Y1-3 | Y1-4 | Y1-5 |
| Y0-0 | Y0-1 | Y0-2 | Y0-3 | Y0-4 | Y0-5 |
| CB7-0 | CB7-0 | CB7-2 | CB7-2 | CB7-4 | CB7-4 |
| CB6-0 | CB6-0 | CB6-2 | CB6-2 | CB6-4 | CB6-4 |
| CB5-0 | CB5-0 | CB5-2 | CB5-2 | CB5-4 | CB5-4 |
| CB4-0 | CB4-0 | CB4-2 | CB4-2 | CB4-4 | CB4-4 |
| CB3-0 | CB3-0 | CB3-2 | CB3-2 | CB3-4 | CB3-4 |
| CB2-0 | CB2-0 | CB2-2 | CB2-2 | CB2-4 | CB2-4 |
| CB1-0 | CB1-0 | CB1-2 | CB1-2 | CB1-4 | CB1-4 |
| CB0-0 | CB0-0 | CB0-2 | CB0-2 | CB0-4 | CB0-4 |

Figure 2
(Prior ART)

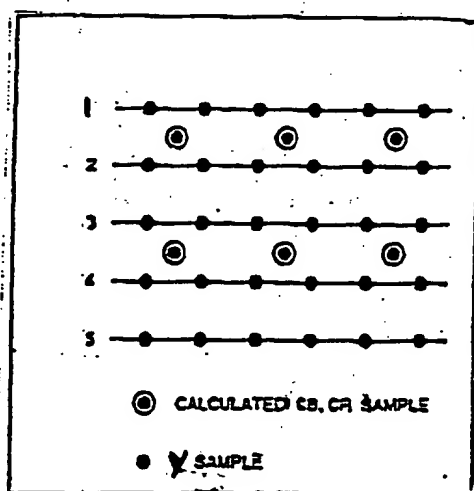


Figure 3
(Prior ART)

START

PERFORM FORMAT
CONVERSION FROM
4:2:2 TO 4:2:0 MODE,
IF NEEDED

DETERMINE PARAMETER
VALUES, SUCH AS Y_{th} ,
MAXIMUM LENGTH,
TRANSFER FIELD SIZE

ENTER NEXT PIXEL
VALUE & INCREMENT A
LENGTH COUNTER

CALCULATE $|Y_i - Y_{th}|$

$|Y_i - Y_{th}| > Y_{th}$

YES

PERFORM Y DOMAIN
COMPRESSION

NO

PERFORM ARRANGING
IN C_r/C_b DOMAIN

A

FIGURE 4A

050421241031398

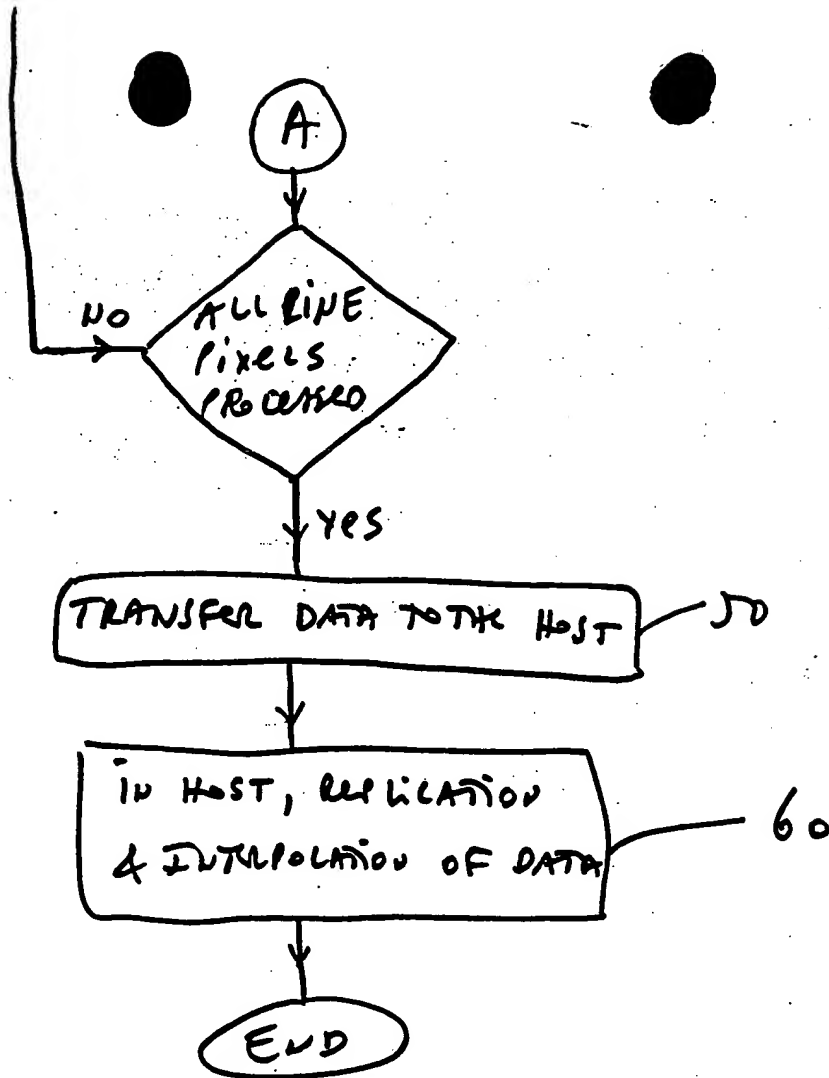
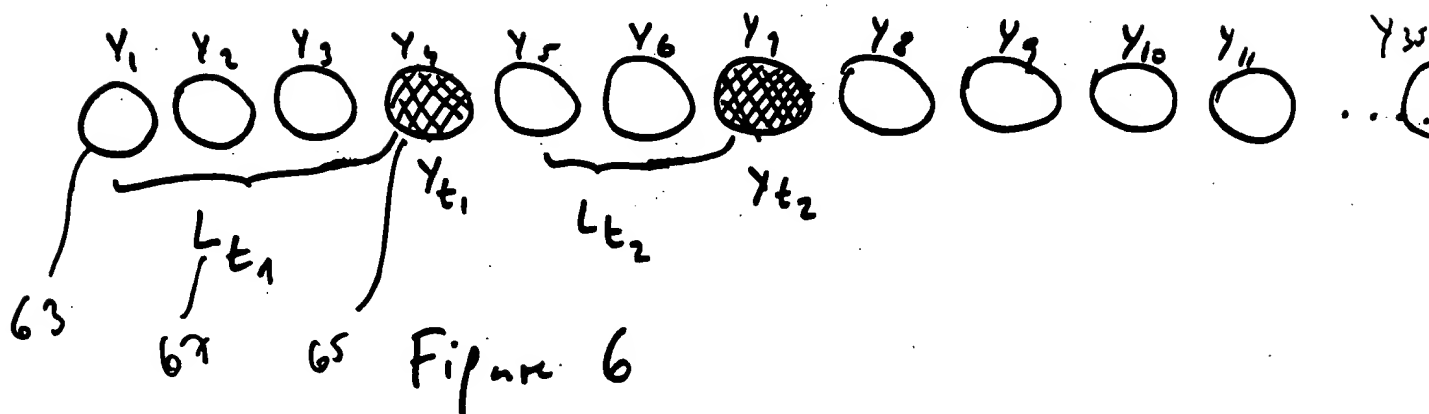


Figure 4B



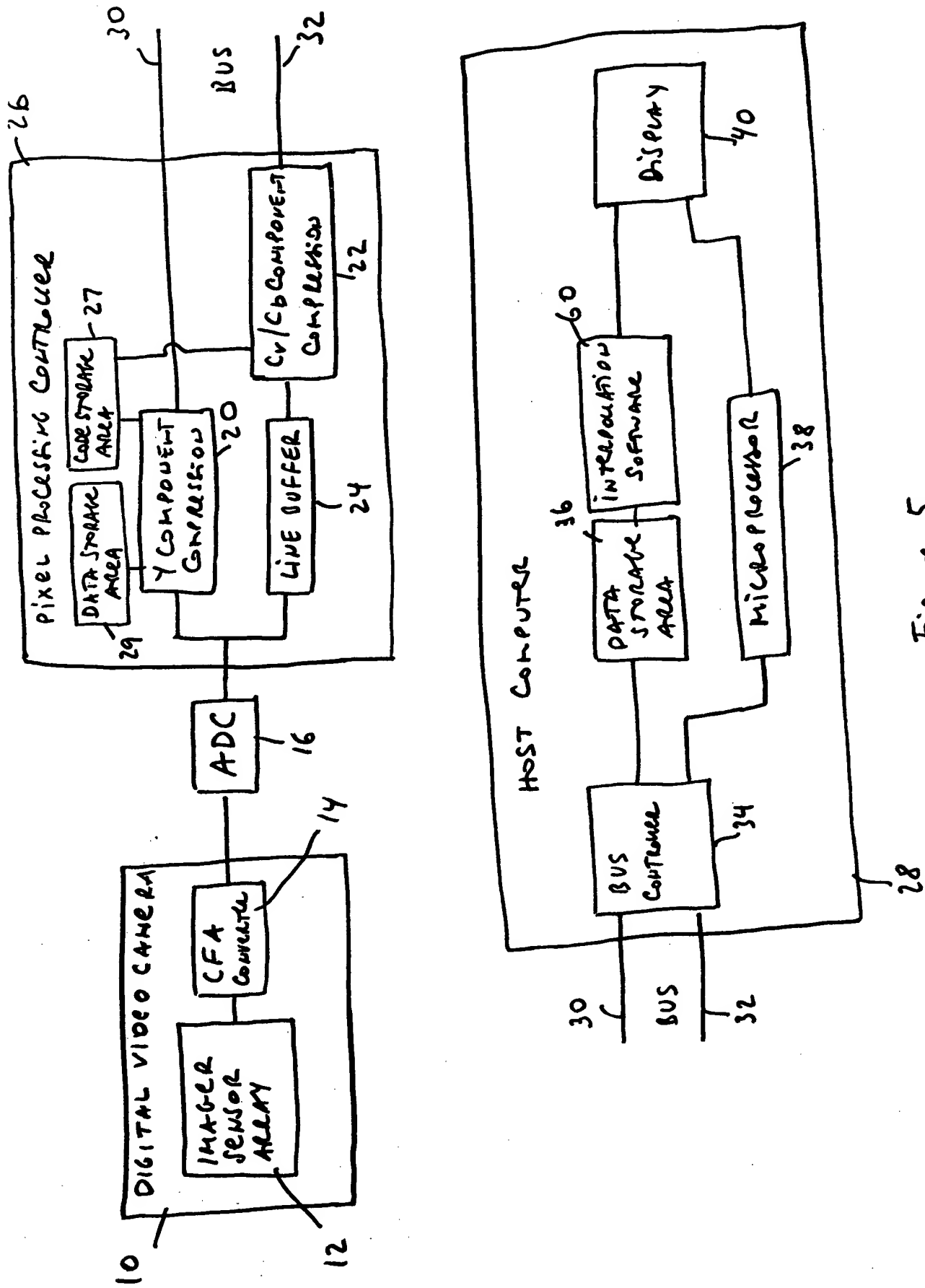


Figure 5

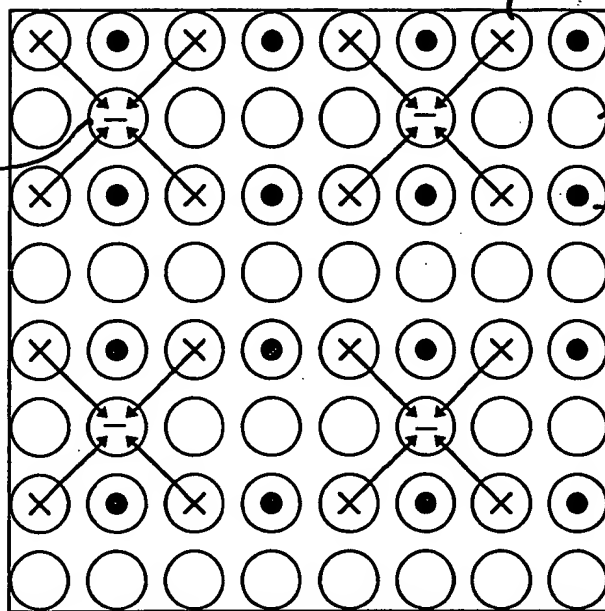


Figure 7

86E7E0" 42T24050

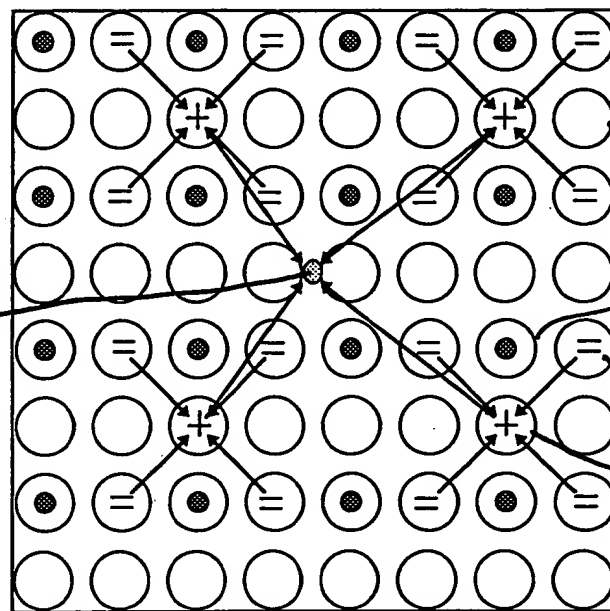


FIGURE 8

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